

# Federal Policies and Programs

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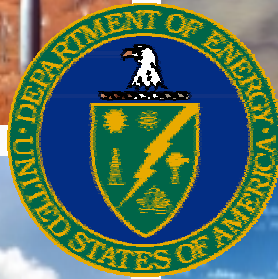
## U.S. Renewable Energy Policy and Deployment Programs

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**Principal Deputy Assistant Secretary  
Energy Efficiency and Renewable Energy**

**U.S. / China  
Renewable Energy Forum**

**April 20, 2000**



# Legislative History



- PURPA (1978)
- Clean Air Act (1990)  
(amended)
- National Energy  
Policy Act (1992)

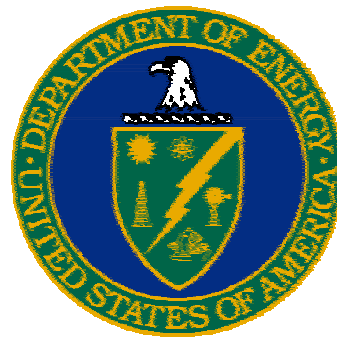


# Financial Incentives



- 10% Business Investment Tax Credit
- Renewable Energy Production Tax Credit
- Modified Accelerated Cost Recovery System
- Renewable Energy Production Incentive

# Broad-Based DOE Initiatives



Bringing clean sources  
of electricity and heat  
to the American West



# Bioenergy Initiative



Through partnership with industry:

- Promote development of biomass feedstocks
- Improve harvesting & processing technologies
- Increase use of biomass in industrial and consumer products, power generation, and alternative liquid fuels





# GeoPowering the West



- Supply 10% of the electricity needs of the West by 2020
- Meet electric power or heating needs of 7 million homes by 2010
- Double number of states with geothermal electric power facilities to 8 by 2006

# Million Solar Roofs



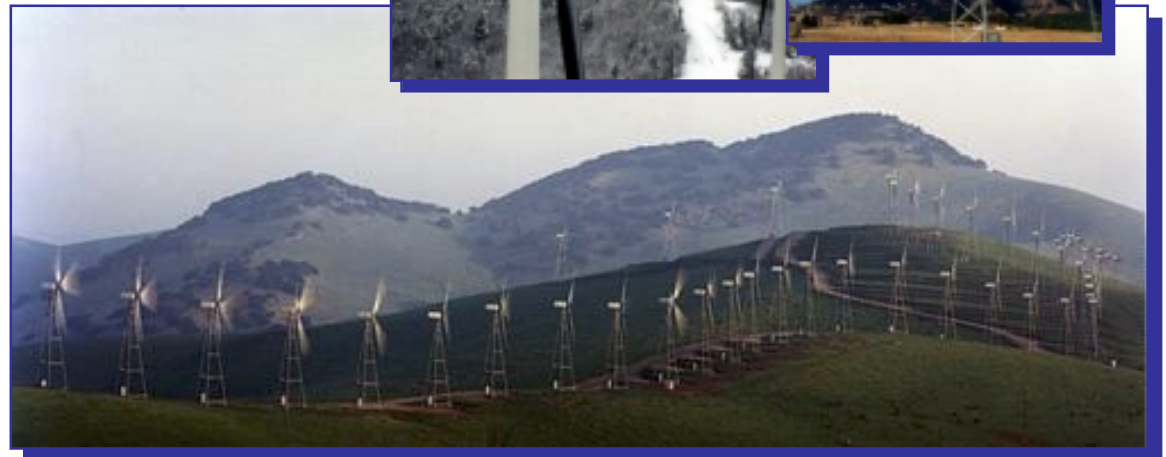
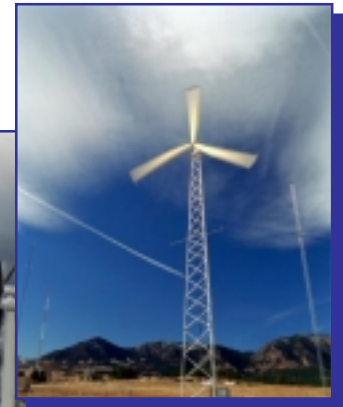
- One million solar roofs in U.S. by 2010
- Reduce greenhouse gases and other emissions
- Create high-technology jobs
- Keep U.S. solar industry competitive



# Wind Powering America



- Dramatically increase the use of wind energy and meet demand for clean sources of electricity
- Provide at least 5% of the nation's electricity by 2020
- Increase wind's contribution to Federal electricity use to 5% by 2010





# Climate Change Technology Initiative (CCTI)



The CCTI is a package of targeted tax incentives and investments aimed at increasing energy efficiency and spurring the broader use of renewable energy while also reducing greenhouse gas emissions.

## RD&D

- Buildings
- Transportation
- Industry
- Electricity
- Carbon Sequestration



## TAX INCENTIVES

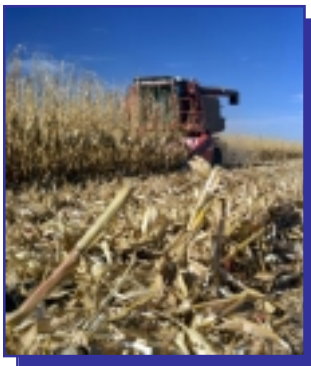
- Homes and Buildings
- Vehicles
- Clean Energy

# FY 2001 CCTI Tax Incentives



## CLEAN ENERGY

- Coal-biomass co-firing
- Open & closed-loop biomass
- Methane from landfills
- Wind



## VEHICLES

- Electric and fuel cell vehicles
- Hybrid vehicles



## HOMES AND BUILDINGS

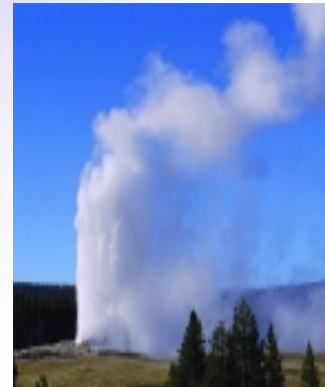
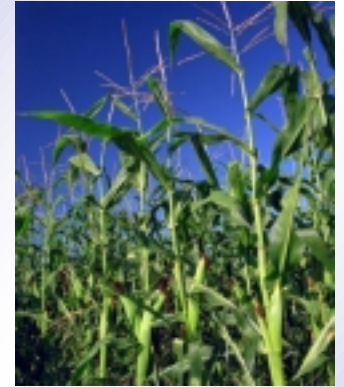
- Purchase of new energy-efficient homes
- Purchase of selected energy efficient products
- Solar energy systems



# Federal Restructuring Proposals



Renewable energy provisions in Federal restructuring legislation are designed to promote the industry's continued growth in a deregulated marketplace.



# Renewables in Federal Facilities



FEMP assists Federal agencies in identifying, financing, and successfully implementing renewable energy projects.

**FEMP**  
FEDERAL ENERGY MANAGEMENT PROGRAM